

Abstract

It is an object of the invention to provide a memory device including a memory area having a large storage capacity and an equal security level to that of a Smart card.

5 A semiconductor memory card 10 that can be attached to and detached from an electronic device is provided with first memory 50 of non-tamper-resistance having usual areas 52 and 53 that can be accessed from the electronic device and a secure area 51 that cannot directly be accessed from the electronic
10 device, and second memory 41 of tamper resistance that cannot directly be accessed from the electronic device, wherein access to the secure area 51 of the first memory 50 can be made only through a secure control section 30 for managing access to the second memory 41. The secure area 51 cannot directly be
15 accessed by an external device and therefore has the higher security level than the authentication area 52. Since the secure area 51 is placed in the non-tamper-resistant memory 50, a large storage capacity can be reserved.